USER MANUAL

GOLDMUND Metis 30

Universal Player



Thank you for purchasing the Goldmund METIS 30 Universal Player. The Goldmund Metis line fully incorporates the technological expertise developed by our company throughout many years.
Please take some time to read this manual. It will provide you with useful information to make your pleasure of listening to the METIS 30 even higher.

INTRODUCTION

GOLDMUND METIS 30 – Universal Player

Goldmund was founded in 1978 and has ever since been dedicated to the accurate reproduction of sound and image.
At Goldmund, we strive to lead in the creation, development and manufacture of the industry's most advanced technologies, including audio and video systems, home-networking and music distribution.
The guiding principle at Goldmund is to produce a precise sound with the least possible loss of quality through the different stages. Goldmund will never adopt a technology before it is sufficiently developed to satisfy the high quality standards we set. This is why Goldmund has often rejected mainstream technologies and developed its own.

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W A R N I N G!

This high quality universal player possesses technical features which are necessary for accurate tracking of today's best Blu Rays, DVDs and CDs.

Only careful installation and use can provide the satisfaction you are expecting.

The installation instructions must be carried out in full and the mentioned precautions taken to get the expected result and to avoid impairing performance.

No connection or manipulation may be done before reading these instructions. Damage to the universal player may result if the following instructions are not understood and applied.

1 FEATURES & COMPATIBILITY

1.1 COMPATIBILITY

Please note that the Goldmund Metis 30 is equipped with an Oppo player that is compatible with the following formats:

High Definition (HD) movie and music discs

- BD-ROM and BD-RE/BD-R discs in BDMV and BDAV mode, including 8cm discs.
- Discs supporting BONUSVIEW (BD-ROM version 2 Profile. 1 version 1.1/Final Standard Profile) that allows Virtual packages or Picture-in-Picture functions to be used.
- Discs supporting BD-Live (BD-ROM version 2 Profile 2) that provides interactive features when the player is connected to the Internet.

High quality movie and music discs

- High quality movie and music discs.
- Commercially released DVD discs, DVD+RW/DVD+R/DVD-RW/DVD-R in DVD-Video format, finalized.
- Multi-channel or stereo high resolution audio with compressed digital video or still pictures. Some DVD-Audio discs also contain a DVD-Video portion.
- SACD: High resolution audio-only disc with stereo and/or multi-channel audio. Hybrid disc with both high resolution and CD-compatible layers.
- Compact Discs (CD) that contain audio tracks.
- High-definition digital video camera format using efficient data compression coding technology.

Content	Source Direct Output Resolution
NTSC DVD	480i
PAL DVD	576i
Most Blu-ray Movies (film-source)	1080p 23.976Hz or 1080p 24Hz
Most Blu-ray TV shows or Concerts (video-source)	1080i
SACD and DVD-Audio	1080i

1 FEATURES & COMPATIBILITY (Ctd.)

1.2 ABOUT YOUR METIS 30 PLAYER

Thanks to its HDMI connectors the Metis 30 Universal player is the perfect companion to your multichannel audio system.

However, if you wish to use your player with a converter or a pre-amplifier, Goldmund recommends the Goldmund Mimesis 15 acoustic processor or the Metis 8 pre-amplifier.
Considering the small size and the extreme performance of the player, the connection between the digital sources and D/A converter is very critical. Use ultra-low reflection cables for the SPDIF connection. Goldmund recommends using its special Goldmund Lineal cable.

2 UNPACKING

You will find in the Metis 30 Box:

- The universal player itself,
- A remote control,
- The power cord,
- This user manual.

ATTENTION

If you need to return the player to the factory or to your local representative for repair, please note that it must be repackaged in the original packing. This packaging has been specifically designed to protect the Metis 30. Use of alternative packaging is likely to result in damages to the unit and invalidates its warranty.

3 CHOICE OF THE PLAYER LOCATION

Thanks to the specific quality of the Goldmund Mechanical Grounding construction, the choice of the player location is not critical when using the Metis 30. Feedback is mostly so low that no special precaution is required. Nevertheless, we recommend you position the player as far as you can from the speakers if you want to totally avoid the air coupling between the speakers and the player.

Locate the player to provide the most rigid possible connection to the ground. Solid coupling is essential and the support used must be as rigid and solid as possible.

4 POWER CONNECTION

Your power supply unit has been set to operate indifferently with 110 or 230V mains voltage. It can support both 50 and 60 Hz AC line.

Plug the AC power cord to the back of the Metis 30 and in a wall socket. Switch the back power switch to “ON”. The front display will light up as soon as you will press “OPEN” button on the front panel or when pressing the remote control “POWER”, “ON” or “OPEN” button, indicating that the unit is powered on.

Unplug the power cord if you are not going to use the player for an extended period of time. Hold the power plug when unplugging. Do not pull on the cord.

5 BACK PANEL CABLE CONNECTIONS

5.1 VIDEO CONNECTIONS

The Metis 30 offers 2 HDMI output connectors. We recommend using the HDMI 1 for the video and the output HDMI 2 for the audio signal. This configuration is required to offer the best video quality.



5.2 AUDIO CONNECTIONS

HD connection: Connecting to a Receiver/Amplifier with the HDMI Output:

See § 5.1.

This player has been set up, as recommended by Goldmund, to have HDMI and Digital outputs in LPCM format.

In case you would need to restore the Goldmund factory setup of you player, follow this sequence on the Setup Menu of the Metis 30:

Setup > Audio Format Setup > HDMI Audio→ LPCM

5 BACK PANEL CABLE CONNECTIONS (Ctd.)

PCM connection: Connecting to a Receiver/Amplifier in PCM or Digital 7.1/5.1 multichannel

Goldmund recommends that the greatest care is taken when selecting the cable linking the player to the D/A converter or the preamplifier. The very accurate signal provided by the Metis 30 can easily be ruined by an imperfect connection. Use a lineal "Goldmund Lineal™" cable from the digital coaxial output if you want to achieve the most accurate jitter-free connection for player playback.

Setup > Audio Format Setup > Coaxial/Optical Output→ BITSTREAM

Analog connection: Connecting to a Receiver/Amplifier in Stereo Audio System

If you would like to connect a dedicated stereo system in addition to the surround system, you can connect it to the LEFT & RIGHT audio output terminals of the player. Goldmund recommends using a Lineal “Goldmund Interco™” cable.

NOTE

The STEREO AUDIO OUT terminals will always provide a down-mixed stereo signal from multi-channel sources. The “Down Mix” and other speaker settings in the Audio Processing Setup Menu do not affect the STEREO AUDIO OUT.

6 BASIC OPERATIONS

6.1 PLAYING VIDEO CONTENTS

Disc Playback

1. Press the POWER or ON button on the remote to turn on the player.
2. Press the OPEN/CLOSE (OPEN) button to eject the disc tray.
3. Place the disc with the label side facing up and the recorded side facing down.
4. Press the OPEN/CLOSE (OPEN) button again to retract the tray.
5. The player will read the disc information and starts playback.
6. Depending on the content of the disc, a menu or navigation screen may appear. Please use the navigation ARROW and SELECT buttons to select the content to play.
7. To stop playback, press the STOP button.
8. To turn off the player, press the POWER or OFF button on the remote to turn off the player.

NOTE

• During DVD and some Blu-ray Disc playback, pressing the STOP button for the first time brings the player to a pre-stop mode. You can resume playback from the stopped point by pressing the PLAY button. This pre-stop mode allows you to change the player settings and then resume playback. To completely stop playback, press the STOP button twice.
• Certain Blu-ray Discs with BD-Java technology do not support the pre-stop mode.
Pressing the STOP button during playback of such discs will completely stop the disc.
Pressing the PLAY button once the disc is stopped will restart it from the very beginning.
• This unit consumes a tiny amount of power even when it is turned off to STANDBY mode. If it is not to be used for a long time, unplug it from the household AC outlet.

6 BASIC OPERATIONS (Ctd.)

6.1 PLAYING VIDEO CONTENTS (Ctd.)

Fast Playback

You may fast forward or reverse during playback.

1. Press the FWD button on the remote control and the player starts fast forward playback. Each press of the FWD button switches the playback speed in the following sequence:



2. Press the REV button on the remote control and the player starts fast reverse playback. Each press of the REV button switches the playback speed in the following sequence:



NOTE

Certain Blu-ray Discs using the BD-Java technology may have their own fast forwarding and reversing control. The actual speed varies by disc, and a progress scale may be displayed by the disc.

6 BASIC OPERATIONS (Ctd.)

6.1 PLAYING VIDEO CONTENTS (Ctd.)

Pause and Frame-by-Frame

NOTE

If the screen saver is set to "On" or "Energy Saver", after pausing for 3 minutes the player will activate the screen saver.

1. During playback, press the PAUSE button to temporarily pause the program. In this mode, a PAUSE icon will appear on the TV screen.
2. While a DVD or Blu-ray Disc is paused, press the PREV or NEXT button to reverse or advance the video frame-by-frame.
3. Press the PLAY button to resume normal playback.

Slow Playback

To play the video in slow-motion, please use the following steps.
1. Press the PAUSE button on the remote control to pause the playback first.
2. Press the FWD button to select a forward slow playback speed.
Each press of the FWD button switches the playback speed in the following sequence:



3. Press the REV button to select a reverse slow playback speed. Each press of the REV button switches the playback speed in the following sequence:

NOTE

Certain Blu-ray Discs utilizing the BD-Java technology may not support slow playback.



4. To exit the slow playback mode, press the PLAY button.

6 BASIC OPERATIONS (Ctd.)

6.1 PLAYING VIDEO CONTENTS (Ctd.)

Blu-ray Disc Menu Playback

1. Blu-ray Discs usually contain a Top Menu and a Pop-up Menu. The Top Menu normally appears at the beginning of the playback, after the previews and copyright messages.
The Pop-up Menu can be accessed during the movie without interrupting playback.
2. During playback, press the POP-UP MENU button to access the Pop-up Menu. Press the TOP MENU button to access the Top Menu.
3. Navigate the menu using the ARROW buttons, and then press the ENTER button to make the selection.
4. Some menus make use of the COLOR buttons. You can select menu functions by pressing the corresponding COLOR button on the remote control.

DVD Menu Playback

1. Some DVD discs contain title menu or chapter menu functions.
2. During playback, press the TOP MENU button to return to the disc title menu. Press the POP-UP MENU button to display the chapter menu. Depending on the disc, one or both menus may not exist.
3. Navigate the menu using the ARROW buttons, and then press the ENTER button to make the selection.
4. Press the RETURN button to return to the previous menu. The return location varies by disc.

6 BASIC OPERATIONS (Ctd.)

6.1 PLAYING VIDEO CONTENTS (Ctd.)

On-Screen Display

1. During the playback of a DVD or Blu-ray Disc, press the DISPLAY button on the remote control to show status information; For CD and SACD, the status information is shown automatically.
2. While the status information is shown, press the PAGE UP/DOWN buttons to scroll through several display formats. The playback time information displayed on the front panel changes together with the on-screen display.
3. Press the DISPLAY button again to hide the on-screen display.

The playback time information display on the front panel will remain in the selected format.
The following display formats are available:

DVD and Blu-ray Disc:

- Title elapsed time
– - Title remaining time
- Chapter elapsed time
– - Chapter remaining time

CD and SACD:

- Track elapsed time
– - Track remaining time
- Disc elapsed time
– - Disc remaining time

Note
In addition to the playback time, the on-screen display may also contain the following information about the content currently playing:
•Playback status: an icon indicating play, pause, and fast forward/reverse status.
•Bit rate meter: an indication of the bit rate of the audio and video stream.
•Current and total title numbers. (DVD and Blu-ray Discs)
• Current and total title chapters. (DVD and Blu-ray Discs)
•Current and total tracks. (CD and SACD)
•Audio information: current and totally available number of audio tracks, language, format, and channels.
•Subtitle information: current and totally available number of subtitle tracks and language.
•Video format information: encoding type, frame rate and original aspect ratio.

6 BASIC OPERATIONS (Ctd.)

6.1 PLAYING VIDEO CONTENTS (Ctd.)

Volume Control

1. For normal audio volume adjustment, it is recommended that you use the volume control on your TV or receiver/amplifier.
2. The VOL +/- buttons on the player remote control is provided as an alternative way of controlling the audio volume. It is recommended that you use this control to make the audio volume from the player the same as from other sources, such as TV programs or a VCR.
• Press the VOL – button to decrease the volume.
• Press the VOL + button to increase the volume.

NOTE
The volume control does not apply to digital audio output in raw bitstream format. However when the volume is decreased to 0, all audio output will be muted.

Mute

1. Press the MUTE button on the remote control during content playback to turn off audio output. The TV screen displays a mute icon. The front panel MUTE indicator will also light up.
2. 2. Press the MUTE button again to resume audio output.

Audio Language/Track Selection

1. To select the audio language or track, press the AUDIO button on the remote control during playback.
2. Repeat pressing the AUDIO button to circle through all available language or audio tracks.

NOTE
Availability of languages and audio channels varies by disc. Some DVD-Audio discs allow audio track selection with the AUDIO button, while others require the user to select from the audio setup menu of the disc. When playing an SACD with both multi-channel and stereo contents, the AUDIO button can be used to switch between the two formats.

6 BASIC OPERATIONS (Ctd.)

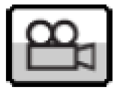
6.1 PLAYING VIDEO CONTENTS (Ctd.)

Subtitle Selection

1. When playing a DVD, Blu-ray Disc or other video programs recorded with subtitles, press the SUBTITLE button on the remote control to select the desired subtitle.
2. Repeat pressing the SUBTITLE button to circle through all available subtitles.
3. To turn off subtitles, repeat pressing the SUBTITLE button until the subtitle is turned off.

Angle Selection

1. When playing a DVD or Blu-ray Disc, an angle mark will be displayed on the screen when the player detects scenes recorded with multiple angles:



The angle mark is also presented on the front panel display.
2. Press the ANGLE button on the remote control to select the desired playing angle.
3. To resume normal playback, repeat pressing the ANGLE button until the default angle is displayed.

NOTE

- This function is available only when the discs are recorded with multiple angles.
- The angle mark on the screen can be turned off using the Setup Menu of the player.

6 BASIC OPERATIONS (Ctd.)

6.1 PLAYING VIDEO CONTENTS (Ctd.)

Shuffle and Random Playback

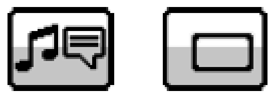
When playing a CD or SACD, press the BLUE button on the remote control to activate the Shuffle and Random modes. Each press of the BLUE button switches the playback mode in the following sequence:



6.2 DIFFERENT KINDS OF PLAYBACK FOR BD-VIDEO

Picture-in-Picture and Secondary Audio

1. Certain Blu-ray Discs contain secondary video (Picture-in-Picture, or PIP) and secondary audio. This feature is often called BONUSVIEW. When such a disc is played, a Picture-in-Picture mark (PIP Mark) and a Secondary Audio Program mark (SAP Mark) may be displayed on the screen to alert you to the availability of the secondary audio/video content.



NOTE

- This function is available only when the discs are recorded with secondary video and audio programs.
- Discs may not always be played back according to the PIP and SAP buttons. Certain discs can ignore or override the remote control commands.
- The PIP and SAP Marks on the screen can be turned off using the Setup Menu of the player.

6 BASIC OPERATIONS (Ctd.)

Pure Audio Mode

You can enjoy higher quality audio by turning off the video processing and output. The Pure Audio mode reduces any potential interference between the video and audio signals.
1. Press the PURE AUDIO button on the remote control to turn off video and enter Pure Audio mode. Video output will be turned off.
2. Press the PURE AUDIO button again to resume video and cancel Pure Audio mode.

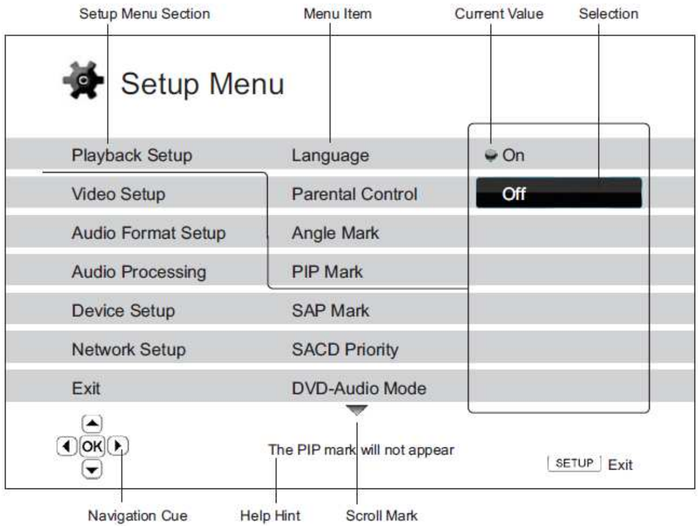
NOTE

•Pure Audio mode is automatically cancelled when the unit is switched off or when playback is stopped.
•Since HDMI carries audio together with video, the HDMI video signal cannot be completely turned off. A black screen is transmitted instead to minimize any potential interference.

6.3 MEDIA FILE PLAYBACK

In addition to playing standard disc-based formats such as Blu-ray Disc, DVD, CD and SACD, the Goldmund Metis 30 Universal player can play media files. You can enjoy digital music, movies and photos stored on an optical disc (recordable CD or DVD). Due to the variation of media, encoding software and techniques used, compatibility cannot be guaranteed for all user-created or downloaded contents. Support for such contents is on a best effort basis.

7 SETTINGS



The Setup Menu of the Metis 30 player presents many setup and configuration options. For most users, the default configuration will be sufficient and will not require any changes to the settings. However if you need to configure the player to perfectly match your home theater settings and viewing preferences, please refer to the following sections for details about each configuration option.

Using the Setup Menu System

In many places of this guide, the player's Setup Menu needs to be adjusted to match your specific audio/video configuration. When performing menu adjustments, we will use the following terminology to indicate the location of the desired function:

Setup Menu Section > Menu Item > Selection

Setup Menu Section is the uppermost Setup Menu level. There are six Setup Menu sections listed in the left column of the Setup Menu screen. They are: Playback Setup, Video Setup, Audio Format Setup, Audio Processing, Device Setup, and Network Setup. Menu Item is the parameter to be adjusted which appears in the center column of the Setup Menu. Once you enter a Setup Menu Section, the list of Menu Items and their current value are displayed in a box. Selection is the actual numeric or descriptive element that represents the change being made to the selected parameter. It is the item located to the right of its corresponding Menu Item.
A Scroll Icon appears at the top or bottom of the menu when there are more Menu Items or Selections than what can fit in a screen. You may use the UP and DOWN ARROW buttons to scroll the display in order to access additional items.
The diagram on the left should give a good description of the various elements and their context. In this screen we could, for example, instruct you to set the PIP Mark parameter to Off in the Playback Setup section. To indicate where we were, you would see the following: Playback Setup > PIP Mark > Off.

NOTE

It is possible that some setup items are grayed-out and inaccessible. This can be caused by disc still being played back or interlocking with mutually exclusive setup items. Please stop playback or eject the disc before trying to change these setup items. If you still cannot access the setup item, please check for configuration conflicts and consistency. For example, if "Video Setup > 1080p24 Output" is set to "Off", the "DVD 24p Conversion" menu item will be grayed-out. Setting "1080p24 Output" to "On" will enable the "DVD 24p Conversion" setting.

7 SETTINGS (Ctd.)

To access the player’s Setup Menu simply press the SETUP button on the remote control. Since some Setup Menu options can become inaccessible when the player is playing a disc, it is recommended that you operate the Setup Menu when playback is fully stopped or when there is no disc in the player.

1. Press the SETUP button on the remote control
2. Press the UP/DOWN ARROW buttons to select the section. There are 6 sections: Playback Setup, Video Setup, Audio Format Setup, Audio Processing, Device Setup, and Network Setup. Press the ENTER button or the RIGHT ARROW button to enter the selected section.
3. Press the UP/DOWN ARROW buttons to select the setup item to be changed, and press the ENTER or RIGHT ARROW button to change the setting. When the scroll icon is shown at the top or bottom of the Setup Menu, it indicates that there are more menu items that can be accessed by scrolling with the UP/DOWN ARROW buttons. For example, in the Playback Setup section, you may use the UP/DOWN ARROW buttons to select the “PIP Mark” setup item, and press the ENTER button to change the “PIP Mark” setting.
4. To select a value from the list of available settings, press the UP/DOWN ARROW buttons and then press the ENTER button to confirm.

For example, to select “Off” for “PIP Mark”, use the UP/DOWN ARROW buttons to highlight the “Off” selection and press the ENTER button.

5. To exit the SETUP menu at any time, press the SETUP button on the remote control or select Exit from the Setup Menu sections.

The settings are permanently saved when the player is turned off using either the front panel power button or the remote control. If the AC power is interrupted before the player enters standby status, the settings will not be saved. To ensure proper saving of the SETUP menu settings, please turn off the player and turn it back on after you make major changes to the SETUP menu options.

Playback Setup

The “Playback Setup” section is designed to configure playback preferences for various contents.

Language: To configure language preferences. The menu contains the following sub-items:
• Player Language – To choose the display language for the player’s Setup Menu and onscreen display. At this time only English is available.
• Disc Menu Language – To choose the preferred language for displaying DVD and Blu-ray Disc menus. If a disc menu of the selected language is available, that menu will be shown instead of the default disc menu.
• Audio Language – To choose the preferred audio language for DVD and Blu-ray Discs. If an audio track of the selected language is available on the disc, the audio track will be played back.
• Subtitle Language – To choose the preferred subtitle language for DVD. If a subtitle of the selected language is available, it will be displayed. When “Auto” is selected, the subtitle display is decided by the disc.
NOTE
If your preferred language is not listed in the Audio, Subtitle or Disc Menu options, select
“Other” and enter the Language Code which will be delivered by your Goldmund dealer.

Parental Control: To set parental control ratings in order to prevent minors from watching inappropriate content. This function depends on the disc being properly rated and encoded.
• Press the SELECT button to bring up the rating selection menu.
• To adjust the parental control settings, you must enter the current parental control password. If you have not set a parental control password yet, the default password is “0000”.

SETTINGS (Ctd.)

Angle Mark (on/off): To turn on/off the display of an angle mark when a DVD or Blu-ray Disc with multiple available angles is played. Keeping the angle mark off avoids distraction from normal movie watching.

PIP Mark (on/off): To turn on/off the display of a Picture-in-Picture mark when a Blu-ray Disc with secondary video is played. Keeping the PIP mark off avoids distraction from normal movie watching.

SAP Mark (on/off): To turn on/off the display of a Secondary Audio Program mark when a Blu-ray Disc with secondary video and audio is played. Keeping the SAP mark off avoids distraction from normal movie watching.

SACD Priority: To select which audio layer to play for SACD (Super Audio CD). The options are:
• Multi-Channel – Play the multi-channel surround audio layer
• Stereo – Play the 2-channel stereo audio layer
• CD Mode – Play the CD layer of a hybrid SACD disc

DVD-Audio Mode: To select which portion of a DVD-Audio disc to play. The options are:
• DVD-Audio – Play the DVD-Audio portion of the disc with high-resolution audio
• DVD-Video – Play the DVD-Video portion of the disc with Dolby Digital or DTS audio

Auto Play Mode (on/off): To select whether the player shall start playing an audio CD or SACD automatically. When auto play mode is turn on, these discs will start playing upon insertion into the player. When auto play mode is turned off, the player will wait for the user to start playback by pressing the PLAY button.

NOTE

Copyright control mechanisms encoded on the disc may limit the output for DVD, if CSS encryption is in use the output resolution is limited to no more than 480p/576p; for Blu-ray Discs, the output resolution is limited to no more than 1080i, and could be lower if the disc contains the Image Constraint Token.

NOTE

Do not select "Multi-system" if your display does not support both NTSC and PAL systems. The display may become a black screen upon inserting a disc encoded in a different system than your display supports. Should this happen, you can press the OPEN button to eject the disc tray, and then use the Setup Menu to correct the "TV System" setting.

PBC – Play Back Control: To enable/disable Play Back Control. Play Back Control is a primitive form of disc menu. The options are:
On – If the disc contains Play Back Control, show the menu.
Off – Play back the contents by sequence.

Video Setup

The "Video Setup" section of the Setup Menu system allows you to configure video output options.

Picture Adjustment: To adjust picture control parameters.

Primary Output: To select the primary video output port. The options is:

- HDMI – Use HDMI as the primary video output port. This setting will ensure that the HDMI output gets the best possible picture quality. The VRS video processor will be used unless "Source Direct" output resolution is selected, in which case VRS video processing is bypassed.

TV Aspect Ratio: To set the aspect ratio of the player's output image. The options are:

- 4:3 Letterbox – Choose this when the display is standard 4:3. A widescreen image is displayed in "letterbox" format with black borders on top and bottom.
- 4:3 Pan & Scan – Choose this when the display is standard 4:3. A widescreen image will be stretched.
- 16:9 Wide – Choose this when the display is widescreen 16:9. 16:9 materials will be displayed in its native aspect ratio, and 4:3 materials will be stretched horizontally.
- 16:9 Wide/Auto – Choose this when the display is widescreen 16:9. 16:9 materials will be displayed in its native aspect ratio, and 4:3 materials will be displayed with black borders on both sides in order to maintain the original 4:3 aspect ratio.

7 SETTINGS (Ctd.)

TV System: To choose the output video system or broadcast standard (PAL/NTSC) to match the type of TV. The options are:

- NTSC (default) – When playing NTSC-encoded discs, no system conversion is performed.
- PAL-encoded contents are converted to NTSC output. Blu-ray Discs encoded with 24Hz frame rate are converted to 60Hz frame rate if neither 1080p24 Output nor Source Direct output resolution is enabled.
- PAL – When playing PAL-encoded discs, no system conversion is performed. NTSC encoded contents are converted to PAL output. Blu-ray Discs encoded with 24Hz frame rate are converted to 50Hz frame rate if neither 1080p24 Output nor Source Direct output resolution is enabled.
- Multi-system – No system conversion is performed. The output video system is the same as that encoded on the disc. Blu-ray Discs encoded with 24Hz frame rate are converted to 60Hz frame rate if neither 1080p24 Output nor Source Direct output resolution is enabled.
  Requires a TV that supports both NTSC and PAL systems.

Output Resolution: To choose the output resolution that best matches your television's native resolution. For a detailed description on how to choose a proper output resolution, please refer to the compatibility section on page 5 of this manual.

1080p24 Output: To set 1080p 24Hz output options. This option only applies to the HDMI output at 1080p resolution. Many Blu-ray Discs that originated from theatrical movies are encoded using 24Hz frame rate, the same number of frames per second as the original theatrical film. If the TV properly supports 1080p 24Hz, smoother motion can be achieved by enabling 1080p24 Output for such discs. The available options are:

- Auto – Video encoded in 24Hz frame rate will be output as 1080p 24Hz if the TV informs the player that it can support the 1080p24 signal.
- On – Video encoded in 24Hz frame rate will be output as 1080p 24Hz without regard to whether the TV can support the 1080p24 signal or not. This is useful if the TV can actually support 1080p24 but does not properly state its capability. Please note that if the TV cannot support 1080p24, selecting this option will result in no video.
- Off (default) – Video encoded in 24Hz frame rate will be converted to 60Hz (NTSC) or 50Hz (PAL)

DVD 24p Conversion: To set 24Hz frame rate conversion for DVD. This option only applies to the HDMI output and is available only when 1080p24 Output is enabled (set to Auto or On). Many DVDs that originated from theatrical movies are encoded using a method called “3:2 telecine” to convert the 24 frames per second film to 60Hz video signal. The player can convert the 60Hz video signal back to 24 frames per second and output as 1080p 24Hz. Smoother motion can be achieved by enabling this option, provided that the TV and the disc both meet the conditions for the conversion. The available options are:
• On – Convert DVD to 24Hz frame rate when possible.
• Off (default) – Do not convert DVD to 24Hz frame rate.

HDMI Options: To configure video options that are unique to the HDMI output. This item contains a sub-menu with multiple configuration options.
Screen Saver: To turn on/off the screen saver function. The screen saver is designed to minimize burn-in concerns for plasma and CRT display devices. The available options are:

- On – After about 3 minutes of inactivity, the player will show an animated OPPO logo moving on a black background. This allows most areas of the screen to rest and gives all areas an equal opportunity to refresh.
- Off – The screen saver will not be activated. Use this option if your TV does not have a burn-in issue.

- Energy Saver – Video output will be turned off after 3 minutes of inactivity. Many projectors and LCD TVs will go into a standby or sleep mode and turn off their projection lamp or LCD backlight lamp, thus saving energy and prolonging the lamp life. When you press any button on the remote control or the player's front panel, the screen saver will be cancelled and video output will be restored. If your TV is already in standby or sleep mode, you may need to wake up the TV by pressing a button on its remote or control panel.

HDMI Options are a sub-menu of the Video Setup menu. It allows you to configure some video settings that are unique to the HDMI output. To enter this sub-menu, select "HDMI Options" from the Video Setup menu.
To exit this sub-menu, press the RETURN button or the LEFT arrow key.

The following HDMI options are available:

De-interlacing Mode: To select the type of de-interlacing algorithm that the player should use to convert interlaced video on a DVD or Blu-ray Disc to progressive output. The Goldmund Metis 30 utilizes the Precision De-interlacing™ technology from VRS™ (Video Reference Series) by Anchor Bay for its HDMI output. A proper de-interlacing mode will ensure the output video matches the original contents and is free of de-interlacing artifacts. The available options are:

- Auto (default) – Source adaptive de-interlacing is on. This is the recommended setting as it sets the player to optimally process a variety of signal types.
- Film Bias Mode – The Film Bias Mode may improve film mode detection in some cases.
- Video Mode – Turn off film mode detection and treat all contents as video origin. Deinterlacing is done by weaving two video fields into a video frame. Use this setting if you are certain the disc is made from footage originally shot with a video camera, and not with a film camera.
- 2:2 Even - This mode should be used when you know that the source is high-quality 2:2 pull-down (i.e. film-based content played back in a country with a 50Hz video standard) and want to avoid any loss of cadence lock while

watching that source. This mode weaves two adjacent fields together starting with an even field and combining it with the following odd field. This will provide a higher quality overall signal than the ‘Auto’ or ‘Film Bias Mode’ settings, providing that the source really is a 2:2 pull-down and does not have bad edits.

- 2:2 Odd - This mode is very similar to “2:2 Even” except that this weaves two adjacent fields together starting with an odd field and combining it with the following even field. Only one of the 2:2 de-interlacing settings is correct for any given source and the correct mode can be chosen by simply trying both of them and selecting the one which does not result in combing artifacts.

CUE-Correction: To select whether the player should apply Chroma filtering to remove Chroma Up-sampling Errors (CUE) and Interlaced Chroma Problem (ICP). CUE is caused by improper decoding and de-interlacing of MPEG encoded video. The Metis 30 is free of the CUE problem. ICP is caused by the encoding process for interlaced video, so you may encounter it on some DVD and Blu-ray Discs. The CUE-Correction function can detect and filter out the errors. The available options are:

- Auto (Recommended) – Automatic Chroma error detection and correction. Use this setting when you are not sure if the disc has Chroma errors.
- On – Chroma filtering is always on. Use this setting if the disc is known to have Chroma errors.
- Off – No Chroma filtering is applied. Use this setting if the disc does not have Chroma errors.

Color Space: To select the color space for the HDMI output.
The available options are:

- Auto (Recommended) – The player checks with the display device to automatically determine what color space to use. If the display device supports YCbCr 4:4:4, then it will be used to avoid extra color space conversion.
- RGB Video Level – The HDMI output uses RGB color space and normal signal range suitable for video displays.

- RGB PC Level – The HDMI output uses RGB color space and expands the signal range.

The expanded signal range is suitable for personal computer (PC) displays. Some TVs are designed to be used as a PC monitor, and expect signal in expanded RGB range when the DVI input is selected. For these displays if the video signal uses the normal RGB range, the black-white contrast will be reduced. You can set the player to use the RGB PC Level output and restore proper contrast.

- YCbCr 4:4:4 – The HDMI output uses YCbCr 4:4:4 color space.
- YCbCr 4:2:2 – The HDMI output uses YCbCr 4:2:2 color space.

Generally this is the color space that is closest to the color space encoded on the discs. (All discs are encoded in YCbCr 4:2:0 color space, and the video decoder decodes it into YCbCr 4:2:2.)

HDMI Deep Color: Deep Color is an OPTION for some TVs or projectors that feature HDMI v1.3 inputs. Normally, each pixel of the video image is transmitted using 24-bit data (8-bit per channel for R, G, B or Y, Cb, Cr). If Deep Color is supported, each pixel of the video image can be transmitted using 30-bit (10-bit per channel) or 36-bit (12-bit per channel) data. The increased bit depth should result in smoother color transitions and better gradients. The available options are:

- 30 Bits – Use the 30-bit per pixel Deep Color mode.
- 36 Bits – Use the 36-bit per pixel Deep Color mode.
- Off (default) – Do not use Deep Color.

Demo Mode: To enable a special split-screen demonstration mode. This is designed for the demonstration of VRS™ video processing technology. It can also be used as an aid for setting picture control adjustments for Detail Enhancement, Edge Enhancement and Noise Reduction. It should NOT be used for normal movie watching. The available options are:

- On – The video screen will be split in half. The left side demonstrates the result of the VRS™ video processing, and the right side shows video without the help VRS video processing.
- Off (default) – Normal viewing mode.

7 SETTINGS (Ctd.)

A/V Sync: To add a delay to the HDMI audio output. If you experience audio/video synchronization problem, you may use this option to add a slight delay to the audio so it is synchronized to the video.

• Use the UP/DOWN ARROW buttons to highlight the A/V Sync menu item. Press the ENTER button.
• Press the LEFT/RIGHT ARROW buttons to adjust delay. The audio delay can be adjusted in 10ms steps.
• Press the ENTER button to confirm the new A/V Sync setting and return to the Audio Processing Setup Menu.

8 CHANGING REGIONS

By default, your player is set on Region free for DVD & Zone A for Blu-Ray.
Switching between the regions is done by using the original remote of the Metis 30 player:

To set the **Blu-Ray Zones** to A, B or C:
Turn ON the player without any disc inside and wait until “No Disc” is displayed and press the following button sequence on the remote control:

•Press [DIMMER], [DIMMER], [DIMMER], [MUTE], [1] to select region A for Blu-ray
•Press [DIMMER], [DIMMER], [DIMMER], [MUTE], [2] to select region B for Blu-ray
•Press [DIMMER], [DIMMER], [DIMMER], [MUTE], [3] to select region C for Blu-ray
Now, turn OFF the player and turn it back ON for the zone change to take effect.

To set the **DVD Regions** to 1, 2, 3, 4, 5, 6 or 0:
Turn ON the player without any disc inside and wait until “No Disc” is displayed and press the following button sequence on the remote control:

•Press [DIMMER], [DIMMER], [DIMMER], [PURE AUDIO], [0] to select DVD region 0
•Press [DIMMER], [DIMMER], [DIMMER], [PURE AUDIO], [1] to select DVD region 1
•Press [DIMMER], [DIMMER], [DIMMER], [PURE AUDIO], [2] to select DVD region 2
•Press [DIMMER], [DIMMER], [DIMMER], [PURE AUDIO], [3] to select DVD region 3
•Press [DIMMER], [DIMMER], [DIMMER], [PURE AUDIO], [4] to select DVD region 4
•Press [DIMMER], [DIMMER], [DIMMER], [PURE AUDIO], [5] to select DVD region 5
•Press [DIMMER], [DIMMER], [DIMMER], [PURE AUDIO], [6] to select DVD region 6
Now, turn OFF the player and turn it back ON for the zone change to take effect.

9 CLEANING

Always disconnect the power cord from the wall socket before cleaning your player.
To clean the front panel metal parts, always use a very soft, clean damp cloth to avoid scratching the surface. Avoid the use of proprietary cleaning products.

10 MAINTENANCE

The Goldmund Metis 30 player does not require any specific maintenance.

WARNING!
Always turn the power off before cleaning your player.
There are no user serviceable parts inside the Metis 30. Unauthorized servicing or alteration invalidates the manufacturer's warranty.

All requests relating to product servicing and operation should be referred to the local authorized retailer supplying and supporting your Goldmund equipment. The list of authorized retailers can be found online at www.goldmund.com

11 TECHNICAL SPECIFICATIONS

COMPATIBILITY

- BD-VIDEO, DVD-Video, DVD-Audio, AVCHD, SACD, CD, HDCD, Kodak Picture CD, CD-R/RW, DVD±R/RW, DVD±R DL, BD-R/RE

BD Profile:

- BD-ROM Version 2.4 (also compatible with Profile 1 Version 1.0 and 1.1)

OUTPUT

- Analog Audio: stereo Right & Left
- Digital Audio: Coaxial, Optical.
- HDMI Audio: Stereo, up to 7.1ch high-resolution PCM, up to 5.1ch DSD, bitstream or LPCM conversion of Dolby Digital, Dolby Digital Plus, Dolby TrueHD,
- DTS, DTS-HD High Resolution Audio, and DTS-HD Master Audio.
- Digital Video: HDMI with HDCP (NTSC480i/480p/720p/1080i/1080p/1080p24, PAL 576i/576p/720p/1080i/1080p/1080p24)

10 TECHNICAL SPECIFICATIONS (Ctd.)

INPUT

- External IR Remote Control

AUDIO CHARACTERISTICS

- Frequency: 20Hz – 20kHz (-0.3 ±0.05dB)
- Signal-to-Noise Ratio: >110dB (A-weighted)
- THD+N: < 0.002% (1kHz at 0dBFS, 20kHz LPF)

POWER

- Power Supply: ~ 100V – 240V, 50/60Hz AC
- Power Consumption: 35W (0.5W Standby)

SIZE AND WEIGHT

- 440 W x 300 H x 70 D (mm). 5.5 kg.

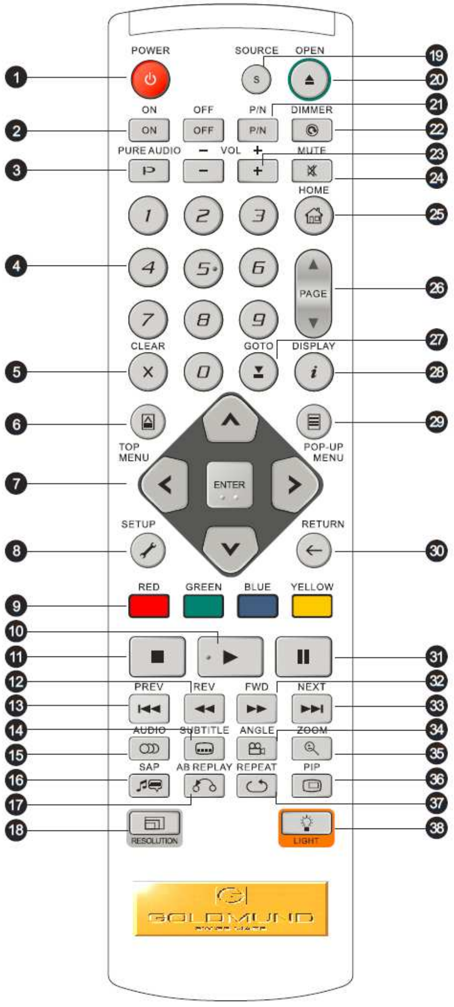
WARRANTY

- 3 years, parts and labor.

Information and product specifications contained in this manual are subject to change without prior notice. Updated versions of this manual will be posted on our website at www.goldmund.com.

Please visit our support page at http://www.goldmund.com/support/register to register your Goldmund product for warranty.

12 REMOTE CONTROL



1. **POWER**: Toggle power STANDBY and ON
2. **ON/OFF**: Discrete on/off power buttons
3. **PURE AUDIO**: Turn off/on video
4. **NUMBER** Buttons: Enter numeric values
5. **CLEAR**: Clear numeric input
6. **TOP MENU**: Show BD top menu or DVD title menu
7. **ARROW** and **ENTER** Buttons: Navigate menu selection
8. **SETUP**: Enter the player Setup Menu
9. **COLOR** Buttons: Function varies by content
10. **PLAY**: Start playback
11. **STOP**: Stop playback
12. **REV**: Fast reverse play
13. **PREV**: Skip to previous
14. **SUBTITLE**: Change subtitle language
15. **AUDIO**: Change audio language or channel
16. **SAP**: Turn on/off Secondary Audio Program
17. **A-B REPLAY**: Repeat play the selected section
18. **RESOLUTION**: Switch output resolution
19. **SOURCE**: Go to Home Menu to select media source
20. **OPEN**: Open/close the disc tray
21. **P/N**: Switch output TV system: NTSC, PAL or MULTI
22. **DIMMER**: Dim front panel display
23. **VOLUME +/-**: Increase/Decrease volume
24. **MUTE**: Mute audio
25. **HOME**: Go to Home Menu to select media source
26. **PAGE UP/DOWN**: Show previous/next page
27. **GOTO**: Play from a specified location
28. **DISPLAY**: Show/hide On-Screen Display
29. **POP-UP MENU**: Show BD pop-up menu or DVD menu
30. **RETURN**: Return to the previous menu or mode
31. **PAUSE**: Pause playback
32. **FWD**: Fast forward play
33. **NEXT**: Skip to next
34. **ANGLE**: Change camera angle
35. **ZOOM**: Zoom in/out and adjust aspect ratio
36. **PIP**: Show/hide Picture-in-Picture
37. **REPEAT**: Repeat play
38. **LIGHT**: Activate back light for the remote control

NOTE

The remote control supports one of three remote codes. The default is “Code 1”.
To check the selection code, open the battery compartment cover of the remote control, and then use a ball point pen to flip the switch to “1”. Close the battery compartment cover.

